

DATE October 3, 1991  
TO Distribution  
FROM L.A.Collins, Bldg.013,X8490  
SUBJECT DELIVERABLE 412 PHASE 1 - MATERIAL HANDLING STUDY

*MC*

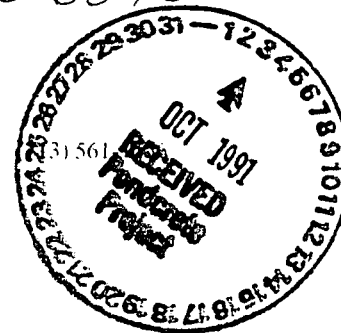
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5950 NORTH COURSE DRIVE • P.O. BOX 721110 • HOUSTON, TEXAS 77272 •

October 2, 1991



Don Ferrier  
Project Manager  
EG&G Rocky Flats, Inc.  
Rocky Flats Plant, Bldg. 750  
P. O. Box 464  
Golden, Colorado 80402-0464

Subject: Deliverable No. 412  
Material Handling Study  
RF-HED-91-0086

Dear Mr. Ferrier:

Enclosed for review and comment by EG&G Rocky Flats are four (4) copies of the Material Handling Study Report for the Solar Pond/Pondcrete Stabilization Project Pads No. 750 and 904.

Also enclosed are the following drawings:

10 Sets --

- Preliminary - Material Handling Study - Pad 904
- Equipment Arrangement - Drawing #2.2.2.2-1
- Inventory Storage Plan at Project Completion - Drawing #39717-0281, Issue 1, Sheets 1, 2, and 3 of 3

Preliminary - Material Handling Study - Pad 750

- High Water Ratio, Inventory Storage Plan at Project Completion - Drawing #39717-0282, Issue 1, Sheets 1, 2, and 3 of 3
- Low Water Ratio, Inventory Storage Plan at Project Completion - Drawing #39717-0283, Issue 1, Sheets 1, 2, and 3 of 3

Preliminary - 904 Pad Comix with Trash Removal Process Configuration

- Material Handling, Equipment Arrangement Plan - Drawing #39717-0285, Issue 1, 1 Sheet

10 Sets --

Solar Pond/Pondcrete Stabilization Project Material Handling Study

- 750 Pad, Block Flow Diagram, Low & High Water Ratio Process - Drawing #39717-0190, Issue 2, Sheets 1 & 2 of 2
- 904 Pad, Block Flow Diagram, Comix with Trash Separation - Drawing #39717-0191, Issue 2, Sheets 1 & 2 of 2

10 Sets --

- Assembly Flush Panel Plywood Box - Drawing #24883-001, Issue H, Sheet 1 of 2
- Assembly Flush Panel Plywood Box - Drawing #24883-002, Issue J, Sheet 2 of 2
- Corrugated Metal Waste Container Assembly No. 2 - Drawing #26383-2, Issue N, Sheet 2 of 4

The drawings cited above are enclosures to the reports. Additional copies are provided to assist your internal distribution for review and comment.

We have scheduled a meeting for October 9, 1991 to make a formal presentation of this material. We anticipate being able to respond to your comments at that meeting.

Sincerely,

HALLIBURTON NUS ENVIRONMENTAL  
CORPORATION

Ted A. Bittner  
Project Manager

TAB/jg

A:\LTFERRIER-12  
RF-HED-91-0086



# Brown & Root U.S.A., Inc.

Post Office Box 4574  
Houston, TX 77210-4574

Letter No.: BAR-HEH-0069  
File No.: 230.412

October 1, 1991

Halliburton HUS Environmental Corp.  
9700 Richmond Avenue  
Houston, Texas 77042

ATTENTION: Ted Bittner

SUBJECT: Rocky Flats Solar Pond/Pondcrete  
Stabilization Project  
Brown & Root Job No. JR-1198

REFERENCE: Material Handling Study - Phase I  
Deliverable No. 412

Dear Mr. Bittner:

Attached hereto are five copies of the above referenced deliverable that is issued for review and comment.

We understand that per our request, a presentation of the study has been scheduled at the site on Tuesday October 8, 1991. Mr. L. O'Quinn will present the study to EG&G personnel.

The study includes a number of important facts, however, we would like to point out the following at the time:

1. The 20 TPH output rate is achievable given the constraints that we are aware of at this time.
2. Additional existing solidified waste and product storage space is required.
3. Additional study is warranted concerning the type of product curing system - semi-automated versus "manual" - due to the estimated high equipment costs for a semi-automated system.

Please note that we are proceeding with design activities based on the 20 TPH output rate. Any change to this rate as a result of the clients' review of the study needs to be finalized as soon as possible in order to minimize any rework.

0113CE



Mr. Ted Bittner  
Letter No.: BAR-HEH-0069  
October 1, 1991  
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It should also be noted that in order to analyze the output from the computer simulation model, one must be very familiar with the software. For example, definitions of terminology are unique to the software and not what one would logically expect them to be. For this reason, we have not included output sheets in the report. It is our understanding that the client intends to utilize the software as a tool. We strongly recommend that client personnel obtain training from the software manufacturer before engaging in its use.

Only one copy of the report carries the for review and comment stamp. Please ensure that this copy along with other required copies are sent to the client. This stamped copy should be returned to us, with the client's comments included for record purposes, by October 9, 1991.

If you have any questions, please call me at (713) 267-9530.

Very truly yours,

BROWN & ROOT, INC.



John R. Zak, P.E.  
Project Manager

cc: D. Assar	- with attachment
Y. Boutros	- " "
D. Brenneman	- without attachment
M. Gibbs	- with attachment
M. Gonzalez	- " "
W. Henderson	- " "
R. Joseph	- " "
A. Varavadekar	- " "

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